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REPORT

CD NO.

50X1-HUM

COUNTRY USSR  
SUBJECT Scientific - Mathematics  
HOW PUBLISHED Bimonthly periodical  
WHERE PUBLISHED Moscow  
DATE PUBLISHED Jan/Feb 1950  
LANGUAGE Russian

DATE OF INFORMATION 1949

DATE DIST. 18 Aug 1950

NO. OF PAGES 2

SUPPLEMENT TO REPORT NO.

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SOURCE Uspekhi Matematicheskikh Nauk, Vol V, No 1 (35), 1950.SOVIET MATHEMATICAL LITERATURE PUBLISHED IN 1949

The following 11 books represent all the books on approximation, instrument, non-Euclidean, nonlinear, or servomechanical mathematics included in a list of 83 of the most important Soviet mathematical publications of 1949.

A. Approximation Methods, Mathematical Instruments, tables

1. Ya. S. Bezikovich, Approximation Calculations (Priblizhennyye vychisleniya), sixth edition, revised, Moscow-Leningrad, Gostekhizdat, 463 pp, illustrated, 10,000 copies, 10 rubles; authorized by the Ministry of Higher Education USSR as a textbook for higher technical schools.
2. F. A. Willers, Mathematical Instruments (Matematicheskiye instrumenty), translated from German by L. Ye. Sadovskiy, Moscow, Publishers of Foreign Literature, 303 pp, illustrated, 19 rubles.
3. K. P. Ivanov, Tables for the Calculation of Polynomials (Tablitsy dlya vychisleniya mnogochlenov), Moscow-Leningrad, Gostekhizdat, 208 pp, 5,000 copies, 7 rubles.
4. K. Ya. Latysheva, The Elements of Approximation Calculations (Elementy priblizhennykh vychisleniy), Kiev, Publishers for the Kiev State Institute imeni T. G. Shevchenko, Ministry of Higher Education, USSR, 82 pp, 500 copies, 10 rubles (in Ukrainian)
5. D. Yu. Panov, Textbook on the Numerical Solution of Partial Differential Equations (Spravochnik po chislennomy resheniyu differentsial'nykh uravneniy v chastnykh proizvodnykh), third edition, revised, Moscow-Leningrad, Gostekhizdat, 183 pp, illustrated, 7,000 copies, 2 rubles.

B. Non-Euclidean Geometry

1. O. Veblen, J. Whitehead, The Foundations of Differential Geometry (Osnovaniya differentsial'noy geometrii), translated by M. G. Freydina, revised by Prof V. V. Vagner, Moscow, Publishers of Foreign Literature, 230 pp, illustrated, 14 rubles.

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2. A. S. Smogorzhevskiy, The Theory of Geometrical Constructions in Lobachevskian Space (Teoriya geometricheskikh postroyeni v prostranstve Lobachevskogo), Kiev, 112 pp, illustrated, 5,000 copies, 2 rubles; textbook for mathematical physics students in Ukraine (in Ukrainian).

3. Works of the Seminar on Vector and Tensor Analysis with Their Applications to Geometry, Mechanics, and Physics (Trudy seminar po vektornoy i tenzornoy analize s ikh prilozheniyami k geometrii, mekhanike i fizike), No VII, edited by Prof. V. F. Kagan, Moscow-Leningrad, Gostekhizdat, Scientific Research Institute of Mathematics, Moscow State Order of Lenin University imeni M. V. Lomonosov, 387 pp, 2,000 copies, 19 rubles.

4. S. P. Finikov, Differential Geometry (Differentsial'naya geometriya), Uchpedgiz, Main Board of Higher Instruction of the Ministry of Education RSFSR, 111 pp, illustrated, 6,000 copies, 3 rubles; methodological textbook for students and correspondence students of Moscow institutes.

C. Nonlinear Mechanics, Servomechanics

1. I. G. Malkin, Methods of Lyapunov and Poincare in the Theory of Nonlinear Oscillations (Metody Lyapunova i Poyankare v teorii nelineynykh kolebaniy), edited by A. I. Lur'ye and L. G. Loytsyanskiy, Moscow-Leningrad, Gostekhizdat, 244 pp, 5,000 copies, 8 rubles.

2. N. G. Chebotarev, N. N. Meyman, The Routh-Hurwitz Problem for Polynomials and Entire (Integral) Functions (Problema Rausa-Gurvitsa dlya polinomov i tselykh funktsiy), Moscow-Leningrad, Publishers of the Academy of Sciences USSR, Works of the Mathematical Institute imeni V. A. Steklov, No 26, 332 pp, illustrated, 2,000 copies, 18 rubles.

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